

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Mark Bockelman Examiner #: 70013 Date: 10-8-2004
 Art Unit: 3762 Phone Number 308-2112 Serial Number: 09/398,854
 Mail Box and Bldg/Room Location: CP2 3E02 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please provide litigation search for
 US PN # 5667504

STAFF USE ONLY		Type of Search	Vendors and cost where applicable
Searcher:	<u>Solomon</u>	NA Sequence (#)	STN _____
Searcher Phone #:	<u>305-5932</u>	AA Sequence (#)	Dialog _____
Searcher Location:	<u>CP2 2C08</u>	Structure (#)	Questel/Orbit <u>\$10.17</u>
Date Searcher Picked Up:	<u>10-8-04</u>	Bibliographic	Dr.Link _____
Date Completed:	<u>10-8-04</u>	Litigation	<u>Lexis/Nexis</u> _____
Searcher Prep & Review Time:	<u>02</u>	Fulltext	Sequence Systems _____
Clerical Prep Time:		Patent Family	WWW/Internet _____
Online Time:	<u>4</u>	Other	Other (specify) _____



STIC Search Report

EIC 3700

STIC Database Tracking Number: 134789

TO: Mark Bockelman

Location: cp2 3e02

Art Unit: 3762

Friday, October 08, 2004

Case Serial Number: 09/398854

From: Terry Solomon

Location: EIC 3700

CP2-2C08

Phone: 305-5932

Terrance.solomon@uspto.gov

Search Notes

No litigation found on US Pat. 5667504.

Sources: Lexis/Nexis and Questel-Orbit

321638 (08) 5667504 September 16, 1997

Time of Request: October 08, 2004 01:15 PM EDT

Research Information:

Utility, Design and Plant Patents
patno=5667504

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5667504

September 16, 1997

Process for the adjustment of a switchable flow limiting apparatus, and an apparatus
operating according to the process

REISSUE: Reissue Application filed Sep. 16, 1999 (O.G. Nov. 23, 1999) Ex. Gp.: 3735; Re. S.N. 09/398,854, (O.G. November 23, 1999)

APPL-NO: 321638 (08)

FILED-DATE: October 11, 1994

GRANTED-DATE: September 16, 1997

ASSIGNEE-AFTER-ISSUE: November 30, 1994 - ASSIGNMENT OF ASSIGNEES INTEREST (SEE DOCUMENT FOR DETAILS)., CARL-ZEISS-STIFTUNG 89518 HEIDENHEIM (BRENZ), GERMANY, Reel and Frame Number: 007313/0750

November 19, 2002 - ASSIGNMENT OF ASSIGNEES INTEREST (SEE DOCUMENT FOR DETAILS)., TRICUMED MEDIZINTECHNIK GMBH RONTGENSTRASSE 7A KIEL GERMANY D-24143, Reel and Frame Number: 013516/0904

(C) QUESTEL 1994
QUESTEL.ORBIT (TM) 1998

Selected file: PLUSPAT
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Comprehensive Worldwide Patents database

** SS 1: Results 1
PRT SS 1 MAX 1 LEGALALL

1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

Patent Number :

US5667504 A 19970916 [US5667504]

Title :

(A) Process for the adjustment of a switchable flow limiting apparatus,
and an apparatus operating according to the process

Inventor(s) :

(A) HINRICH KAI-JURGEN (DE); PETERS JORG-ROGER (DE); BAUMANN HANS
(DE); OTTO KARL-HEINZ (DE); GRACZYK WOLFGANG (DE)

Application Nbr :

US32163894 19941011 [1994US-0321638]

Priority Details :

DE4334247 19931008 [1993DE-4334247]

Intl Patent Class :

(A) A61K-009/22

EPO ECLA Class :

A61M-005/142M

A61M-005/168F

US Patent Class :

ORIGINAL (O) : 604891100; CROSS-REFERENCE (X) : 128903000 604152000

Document Type :

Corresponding document

Citations :

US4146029; US4731051; US4808089; US4987897; US5089017; AT6592 E;
EP0128703; DE293055; DE3316934

Publication Stage :

(A) United States patent

Abstract :

A process and an apparatus for adjustment of a switchable, flow-limiting device for limited flow of liquids or gases employs a remote service device. The flow-limiting device and the service device are spatially separated and there is no bodily connection between the two. Energy necessary for adjustment of the flow-limiting device is transmitted from the service device into an infusion pump that contains the flow-limiting device. The flow-limiting device is a valve having three stable operating positional states. The valve can only be switched while energy is being transmitted from the service device.

1 / 1 LGST - ©EPO

Patent Number :

US5667504 A 19970916 [US5667504]

Application Number :

US32163894 19941011 [1994US-0321638]

Action Taken :

19941130 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: CARL-ZEISS-STIFTUNG 89518 HEIDENHEIM (BRENZ), GERM; EFFECTIVE

DATE: 19941007

19941130 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: BAUMANN, HANS; EFFECTIVE DATE: 19941007

19941130 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: OTTO, KARL-HEINZ; EFFECTIVE DATE: 19941007

19941130 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: HINRICH, KAI-JURGEN; EFFECTIVE DATE: 19941007

19941130 US/AS02-A

ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: PETERS, JORG-ROGER; EFFECTIVE DATE: 19941007

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ASSIGNMENT OF ASSIGNOR'S INTEREST

OWNER: G; EFFECTIVE DATE: 19941007

19991123 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 19990916

Update Code :

2003-22

1 / 1 CRXX - @CLAIMS/RRX

Patent Number :

5,667,504 A 19970916 [US5667504]

Patent Assignee :

Baumann, Hans DE; Graczyk, Wolfgang DE; Hinrichs, Kai-Jurgen DE; Otto, Karl-Heinz DE; Peters, Jorg-Roger DE

Actions :

19941130 REASSIGNED

ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: BAUMANN, HANS DATE SIGNED: 10/07/1994

OTTO, KARL-HEINZ DATE SIGNED: 10/07/1994

HINRICH, KAI-JURGEN DATE SIGNED: 10/07/1994

PETERS, JORG-ROGER DATE SIGNED: 10/07/1994

GRACZYK, WOLFGANG DATE SIGNED: 10/07/1994

Assignee: CARL-ZEISS-STIFTUNG 89518 HEIDENHEIM (BRENZ), GERMANY

Reel 007313/Frame 0750

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19990916 REISSUE REQUESTED

ISSUE DATE OF O.G.: 19991123

REISSUE REQUEST NUMBER: 09/398854

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3735

Reissue Patent Number:

20021119 REASSIGNED

ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: CARL-ZEISS-STIFTUNG DATE SIGNED: 09/14/1999

Assignee: TRICUMED MEDIZINTECHNIK GMBH RONTGENSTRASSE 7A KIEL GERMANY
D-24143

Reel 013516/Frame 0904

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87111

20030714 REASSIGNED
ASSIGNMENT OF ASSIGNORS INTEREST

Assignor: TRICUMED MEDIZINTECHNIK GMBH, DATE SIGNED: 05/13/2003

Assignee: CODMAN NEURO SCIENCES SARL, RUE GIRADET 29, LE LOCLE,
SWITZERLAND, CH-2400

Reel 014250/Frame 0707

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Session finished: 08 OCT 2004 Time 19:17:40
QUESTEL.ORBIT thanks you. Hope to hear from you again soon.

L Number	Hits	Search Text	DB	Time stamp
1	401	307/\$.ccls. and 455/\$.ccls.	USPAT	2004/10/08 16:59
2	4119	remote near3 control same valve	USPAT	2004/10/08 17:00
3	18	remote near3 control same valve same rf	USPAT	2004/10/08 17:02
4	9	remote near3 control same pump same rf	USPAT	2004/10/08 17:02
5	0	remote near3 control same pump same radiofrequency	USPAT	2004/10/08 17:03
6	71	remote near3 control same pump same radio	USPAT	2004/10/08 17:06
7	128	remote near3 control same valve same radio	USPAT	2004/10/08 17:12
8	416	pump same telemetry	USPAT	2004/10/08 17:13

09/398,854